DP-102E
RS-232 to EDX Interface

【User Manual】

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Chapter 1.   Introduction

1-1 Feature

It is an interface that can transform RS-232 signal to EDX signal, by which you can transform any equipment's RS-232 signal to standard EDX signal and control the equipment using EDX protocol.

1-2 Specification

- Power Supply:：DC 12V
- Signal Input：RS-232(DB9 connector, the package include one connect wire)
- Signal Output：EDX（4pin green terminal , RJ11*2）
- Dimension ：132（W）*76（H）*36.2(D)mm
- Weight：0.22Kg

1-3 Dimension
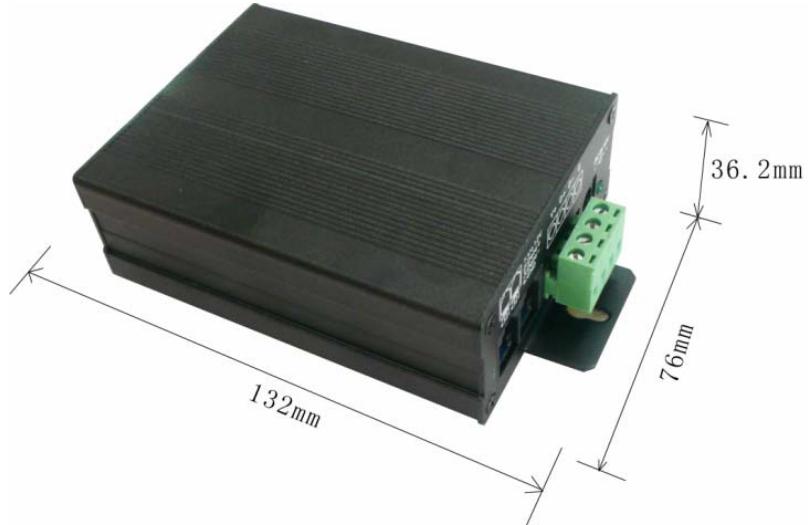
1-4 Function
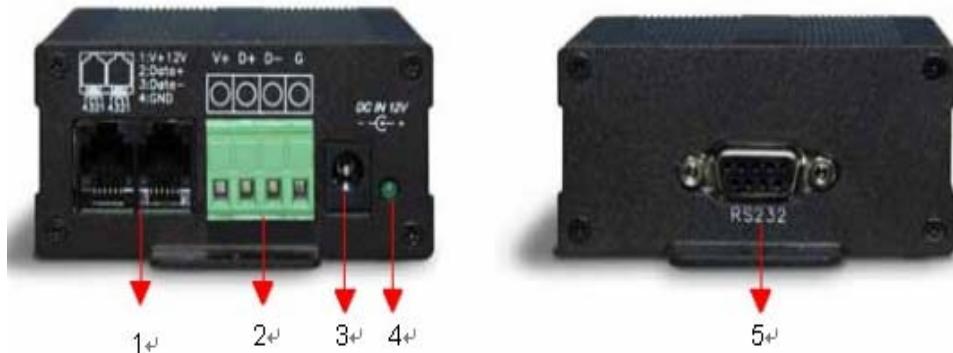
1. RJ11 connector for EDX signal
2. 4pin green terminal for EDX signal
3. Power input port (the device's power can be supplied by EDX signal port or this port, DC 12V)
4. LED indicator, When the device's switch on, LED will turn on, when the signal transmission is ongoing, LED will blink.
5. DB 9 connector (female) for RS-232 signal.

Chapter 2.   Operation

2-1 Baud Rate Setting

(The DP-102E control software can be downloaded from our website.)

On the DP-102E control software, click "port" and select the port.

Baud Rate Setting: "19200, N, 8, 2"
      19200 --- The Baud Rate is 19200bps
      8 --- To set the data bit as 8 digits
      2 --- To set the stop bit as 2 digits
When setting under VB, Baud Rate setting command as below,
      MSComm1.Settings = "19200, N, 8, 2"

Communication Test Function:

All the command is in hexadecimal system.

The command from RS-232 device is 11 00 64 00 00 00 00 00 00 05,

if DP-102E sent back 11 00 64 00 80 00 00 00 00 05, it means the device is working well ; if not, it means the connection has problem.

Notice:

ZONE：（01~FF，it means the Zone 1 to Zone 255 in decimal system）

SCENE：（00，01~FF，it means the Scene OFF, and Scene 1 to Scene 255 in decimal system）

Channel：（01~FF，it means Channel 1 to Channel 255 in decimal system）

Channel Data：channel dimming level

Start Channel：start channel address

2-2 Using RS-232 Device to Recall Scene

RS-232 device recall a scene in EDX device.

On the DP-102E control software, key in the zone no. and scene no. on "Using PC to recall scene " part and click "Send" button to recall the scene.

The recall scene command is 11 00 64 01 ZONE SCENE 00 00 00 05

For example,

　　RS-232 device to recall the scene 5 of zone 2 in EDX system, the command is
　　　11 00 64 01 02 05 00 00 00 05

 EDX system in response to RS-232 device

　　After EDX system receive RS-232 device's recall scene command, it will send back the command as below,

　　11 00 64 02 ZONE SCENE 00 00 00 05

For example,

　　After EDX system receive RS-232 device's command to recall the scene 5 of zone 2, it will sent back the command as below,

　　11 00 64 02 02 05 00 00 00 05

2-3 Using RS-232 Device to Dictate Dimming Level of a Single Channel

On the DP-102E control software, key in the zone no., channel no., and dimming level on "Dictate dimming level of a single channel" part and click "Send" button to dictate a channel's dimming level.

The command is 11 00 64 03 ZONE 00 ChannelData 00 05

For example,

RS-232 device set the channel 5 of zone 3 's dimming level as 20%, the command is

11 00 64 03 03 00 05 33 00 05

Dimming value 20% = 255/100*20=51

2-4 Using RS-232 Device to Check Dimming Level of a Single Channel

RS-232 device check dimming level of a single channel

On the DP-102E control software, key in the zone no. and channel no. on "Using PC to check dimming level of a single channel" part and click "Send" button to check the dimming value.

The command is 11 00 64 04 ZONE 00 Channel 00 00 05

For example,
RS-232 device check channel 3 of zone 3's dimming level, the command is
11 00 64 04 03 00 05 00 00 05

EDX system in response to RS-232 device

After EDX system receive RS-232 device's check dimming level command, it will send back the command as below,
11 00 64 05 ZONE 00 ChannelData 00 05

For example,
When channel 5 of zone 3's dimming level is 35%, EDX system will send back the command as below,
11 00 64 05 03 00 05 59 00 05

2-5 Using RS-232 Device to Increase/Decrease All Channel's Dimming Level in a Zone of EDX Device

On the DP-102E control software, key in the zone no. of EDX device on "Increase/Decrease" part and click "Up" button to increase all channel' s dimming value   of this zone at the same time; click "Down" button to decrease all channel's dimming value   of this zone at the same time.

The command is 11 00 64 08 ZONE 0X 00 00 00 05

Notice
When the X is 1, it means increase all channel's dimming value.
When the X is 2, it means decrease all channel's dimming value.

For example,
Increase all channel's dimming value of zone 1, the command is

11 00 64 08 01 01 00 00 00 05

Decrease all channel's dimming value of zone 8, the command is

11 00 64 08 01 02 00 00 00 05

2-6 Using RS-232 Device to Save EDX Device's Current Dimming Level to a Scene

On the DP-102E control software, key in the zone no. and scene no. of EDX device on "Save Scene" part and click "Save" button to save EDX device's current dimming value to the scene.

The command is 11 00 64 09 ZONE SCENE 00 00 00 05

For example,

There is an EDX-607 (EDX device) in the system and its zone no. is 1. RS-232 device save EDX-607's channel dimming value to scene 2, the command is

11 00 64 09 01 02 00 00 00 05

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DP-102E itself.

2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.

3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
A	First version

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